

UNICORN

The Unique Press for High
Specification Flexibility



KYMC

Maximum Customization based on your workload

As one of our advanced models, UNICORN offers customization and high specification flexibility, tailoring the most suitable specifications based on your workload to optimize your equipment investment efficiency. If you cannot find a standard model in the market with specifications that suit your needs and require a manufacturer with excellent performance and stable quality, then UNICORN is your best choice!



Specifications		UNICORN
Number of Colors		1 / 2 / 4 / 6 / 8 / 10
Max Machine Speed	m/min ft/min	400 / 500 / 600 1312 / 1640 / 2000
Material Width	mm inch	up to 2570 up to 101
Printing Sleeve Width	mm inch	up to 2500 up to 98.4
Roll Diameter	mm inch	up to 1500 up to 59
Repeat Length	mm inch	300 / 360 ~ 800 400 ~ 1200 500 ~ 1300 11.8 / 14.2 ~ 31.5 5.7 ~ 47.2 19.7 ~ 51.2



Standard Specification

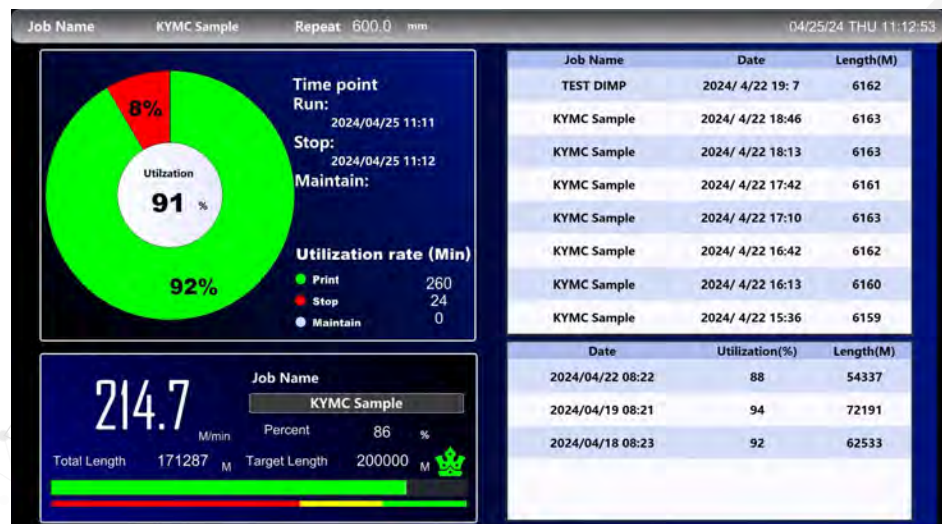
- Non-stop unwind and rewind
- Drying tunnel available for customized length
- Print and Anilox sleeve
- Auto wash system / Rapid wash system
- Registration and impression system
- Infeed web guide
- Smart Production Monitoring System

Specification Flexibility

- Available for large printing width
- Available for large printing length
- Available for specifying the required number of printing colors, from 1 to 10 colors
- Special handling tools for large printing width/length are available
- A variety of options for register/impression control
- Available for Lap Splice and Butt Splice for the Non-stop Unwind/Rewind

Smart Production Monitoring System

- Digital kanban system for quick monitoring on production status including job information, printing setup, ink management, and auto splicing
- Easier for operators and executives to supervise multiple printing line
- Production analysis records on machine OEE utilization rate, daily output etc, able to export production data in a form of report
- Live view during auto splicing and auto wash, with ink supply control, such as viscosity and temperature.
- Industrial standard tablet computer for wireless control. A more flexible, and efficient way of operating.





Operation Comfort

- Touch screen interface
- User friendly layout screen control
- Fully digitalized controls for precise registration settings
- Fully digitalized control for precise impression settings
- Auto impression lift when splice runs through the printing head
- Easy access to printing stations

Remote Service Assistance

- 24/7 machine online diagnostic system
- Exclusive PLC Network Connection Technology to achieve deep online diagnose and prompt remote-maintenance.

Print Quality

- Robust mono-block structure design
- Servo motor control guarantee excellent print registration holding
- 100% defect detection (optional)
- Automatic registration control
- Micrometric kiss impression control to one micron

Industrial I4.0

- OPC UA Data Exchange Protocol for communication between devices, machines and enterprise systems (ERP, SCADA, CRM...etc)
- Remote HMI monitoring via mobile devices

Safety

- Compliant with Conformité Européene or Australian Standard
- Certification service available with CSA, NEC and IEC

Quick job Change

- Anilox and plate sleeve design
- Auto pre-register control
- Auto quick wash features for inking system
- Job memory for repeat tasks
- Auto CI drum cleaning system (optional)





Application

- **Paper**

Food packaging, Medical packaging, Pre-print for paper box, Bags, Paper cup, Liquid & beverage, Household cleaning, Cosmetics, Gift wraps, Wallpaper

- **Film**

Food packaging, Medical packaging, Industrial packaging, Sanitary Pack-aging, Bags, Liquid & beverage, Household cleaning, Cosmetics, Confec-tionary wrappers

- **Aluminum**

Food packaging, Medical packaging, Industrial packaging

- **Woven Bag**

UNICORN

MACHINE FRONT VIEW



KVMC

UNICORN



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